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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/611,443	06/30/2003	Swee Yew Choe	P-9197 1972				
7590 03/01/2005			EXAMINER				
	Philip J. Mckay			LAM, TUAN THIEU			
	ay & Hodgson, L.L.P.						
Suit 220		ART UNIT	PAPER NUMBER				
1900 Garden Road			2816				
Monterey, CA 93940			DATE MAILED: 03/01/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application I	No.	Applicant(s)		10M		
		10/611,443		CHOE, SWEE YE	EW	(0)		
		Examiner		Art Unit				
		Tuan T. Lam		2816				
Period fo	The MAILING DATE of this communication ap or Reply	ppears on the co	ver sheet with the c	orrespondence ad	dress			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by staturely received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	l. 1.136(a). In no event, heply within the statutory d will apply and will ex te, cause the applicati	nowever, may a reply be tim minimum of thirty (30) days bire SIX (6) MONTHS from to ton to become ABANDONED	ely filed will be considered timel he mailing date of this co (35 U.S.C. § 133).	y. ommunicatior	1.		
Status								
1)🛛	Responsive to communication(s) filed on <u>02</u>	December 2003						
2a) <u></u> □	This action is FINAL . 2b)⊠ Th	is action is non-	final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5)⊠ 6)⊠ 7)□	Claim(s) 1-12 is/are pending in the application 4a) Of the above claim(s) is/are withdred claim(s) 3-9 and 12 is/are allowed. Claim(s) 1,2,10 and 11 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/	awn from consid						
Applicati	on Papers							
10)🔯	The specification is objected to by the Examir The drawing(s) filed on <u>02 December 2003</u> is Applicant may not request that any objection to the Replacement drawing sheet(s) including the corre The oath or declaration is objected to by the E	/are: a)⊠ acce e drawing(s) be he ection is required it	eld in abeyance. See f the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CF	FR 1.121(d	i).		
Priority ι	ınder 35 U.S.C. § 119							
12) 🗌 a) [Acknowledgment is made of a claim for foreig All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Burea see the attached detailed Office action for a lis	nts have been re nts have been re ority documents au (PCT Rule 17	eceived. eceived in Application have been receiven 7.2(a)).	on No d in this National	Stage			
2) 🔲 Notic 3) 🔯 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 No(s)/Mail Date <u>12/01/2003</u> .	5) [Interview Summary (Paper No(s)/Mail Dai Notice of Informal Pa Other:	e)-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-2 and 10-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Itoh et al. (US 2004/0170050). Figure 1 shows a half rail differential driver circuit comprising a first supply voltage (VDD), a differential line pair (IO(1), IO(1)/), said differential line pair comprising a first line terminal and a second line terminal, said first line terminal and said second line terminal being shorted together during a precharge phase of operation of said half rail differential driver circuit such that said first line terminal and said second line terminal are charged to half said first supply voltage (during precharge transistors Q1 and Q2 are on, first and second line terminals IO(1) and IO(1)/ tied to Vdd/2) as called for in claims 1 and 10.
- Regarding claims 2 and 11, figure 1 shows a half rail differential driver circuit comprising a first supply voltage (VDD), an IN terminal and INBAR terminal (IO(1), IO(1)/), out terminal and OUTBAR terminals (junctions of transistors QP1, QN1; QP2, QN2), during a precharge phase of operation of said half rail differential driver circuit said IN terminal and INBAR terminal (IO(1), IO(1)/), out terminal and OUTBAR terminals (junctions of transistors QP1, QN1; QP2, QN2) are charged to half said first supply voltage (during precharge transistors

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Q1 and Q2 are on, first and second line terminals IO(1) and IO(1)/ and junctions of transistors QP1, QN1; QP2, QN2 are tied to Vdd/2).

Allowable Subject Matter

4. Claims 3-9 and 12 are presently allowed.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In this regard, applicant's cited prior art has been carefully considered.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Lam whose telephone number is 571-272-1744. The examiner can normally be reached on Monday to Friday (7:30 am to 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY P. CALLAHAN can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan T. Lam Primary Examiner

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2/22/2005